

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,193,956 B2  
APPLICATION NO. : 10/528518  
DATED : March 20, 2007  
INVENTOR(S) : Mamoru Usami et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**IN THE CLAIMS:**

Please add the following new claims:

Claim 37: An apparatus for manufacturing a disc-shaped object, comprising an electron beam irradiation apparatus according to claim 1,  
wherein at least one of a resin layer and a surface layer formed on the object serving as a disc-shaped object is cured by the irradiation of the electron beams.

Claim 38: A method of manufacturing a disc-shaped object, involving the use of an electron beam irradiation method according to claim 11 further comprising the steps of:  
forming at least one of a resin layer and a surface layer on the object serving as a disc-shaped object; and  
curing the layer by the irradiation of the electron beams.

Claim 39: An electron beam irradiation method according to claim 11, wherein an aperture is formed extending in the radial direction, and  
Wherein the switchover to the irradiation and the non-irradiation of the electron beams is performed by opening and closing said aperture through a movement of said shutter member.

Claim 40: An electron beam irradiation apparatus according to claim 18, wherein an aperture is formed extending in the radial direction, and  
the switchover to the irradiation and the non-irradiation of the electron beams is performed by opening and closing said aperture through a movement of said shutter member.

Claim 41: An apparatus for manufacturing a disc-shaped object, comprising an electron beam irradiation apparatus according to claim 18,  
wherein at least one of a resin layer and a surface layer formed on the object serving as a disc-shaped object is cured by the irradiation of the electron beams.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,193,956 B2  
APPLICATION NO. : 10/528518  
DATED : March 20, 2007  
INVENTOR(S) : Mamoru Usami et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

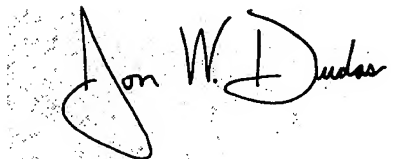
**IN THE CLAIMS:** (cont'd)

Please add the following new claims: (cont'd)

Claim 42: A method of manufacturing a disc-shaped object, involving the use an electron beam irradiation method according to claim 27, further comprising the steps of:  
forming at least one of a resin layer and a surface layer on the object serving as a disc-shaped object; and  
curing by the irradiation of the electron beams.

Signed and Sealed this

Thirtieth Day of October, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas", is written over a faint, circular embossed seal of the United States Patent and Trademark Office.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*